



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Walter Callen et al.

Art Unit : 1632

Serial No. : 10/034,849

Examiner : Maher M. Haddad

Filed : December 21, 2001

Title : ENZYMES HAVING HIGH TEMPERATURE POLYMERASE ACTIVITY AND
METHODS OF USE THEREOF

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Commissioner for Patents

OCT 24 2003

P.O. Box 1450

Alexandria, VA 22313-1450

TECH CENTER 1600/2900

RESPONSE AND AMENDMENT

Responsive to the non-final Office Action on the merits mailed June 16, 2003, Applicants respectfully request entry of the amendments and consideration of the remarks set forth herein. The response was initially due September 16, 2003. A petition for a one-month extension of time is included, extending the time to respond to October 16, 2003. Accordingly, this Response is timely filed.

Amendment to the specification begin on page 2 of this paper.

Amendment to the claims are reflected in the listing of claims which begin on page 6 of this paper.

Remarks begin on page 10 of this paper.

The following documents are also enclosed herewith:

- Transmittal letter;
- Petition for extension of time and check;
- Exhibit A (Example 14, guidelines) and Exhibit B (recently issued claims);
- Rule 132 declaration by Dr. Jay Short, and resume;
- Postcard

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

10/22/2003 SSESHE1 00000060 10034849

01 FC:2202
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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

October 14, 2003

Date of Deposit

Signature

Jeanne Amour-Rice

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